

Thank you for buying a SNAPPER product! Before operating your mower, read this manual carefully, and pay particular attention to the **Important Safety Instructions** on page 2. Remember that mowers and all power equipment can be dangerous if used improperly. Keep in mind that safety requires careful use in accordance with the instructions and.....common sense!

SNAPPERMcDonough, GA., 30253 U.S.A.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate mower. Each person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement. If you have any questions pertaining to your mower which your dealer cannot answer to your satisfaction, call or write the Customer Service Department at SNAPPER, McDonough, Georgia, 30253. Phone: (404) 954-2500.

TRAINING

- Read this Manual carefully and question your dealer if something is not clear. Should the dealer be unavailable or unable to answer to your satisfaction, write or call our Customer Service Department at the factory. Be thoroughly familiar with the controls and proper use of the equipment.
- 2. DO NOT allow children in yard when mower is operated.
- 3. DO NOT allow pre-teenage children to operate mower.
- 4. Allow only responsible teenagers with mature judgement to operate mower and only under close supervision.
- Keep the area clear of all persons, particularly small children, and pets.

PREPARATION

- Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
- 2. Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
- DO NOT operate mower when barefoot or wearing open sandais. Always wear substantial footwear and long pants.
- 4. Fill gasoline tank before starting engine. Use approved gasoline container. DO NOT smoke near open gasoline container. DO NOT fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. DO NOT run engine indoors.
- 5. Make sure that traction drive clutch control is disengaged before starting engine.
- 6. Never attempt to make a cutting height adjustment while the engine is running.
- When mowing over rough ground or in tail grass, mower must be set at highest cutting position.
- 8. Mow only in daylight or in good artificial light.
- Never operate mower in tail grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run!
- 10. DO NOT operate mower without the grass bag, side chute or plug in place.

OPERATION

- DO NOT change engine governor settings or overspeed engine.
- 2. DO NOT put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
- Stop engine when crossing gravei drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
- After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
- Stop blade and engine whenever you leave the operating position behind the handle for any reason, including clearing grass, emptying grass bag and making any adjustments, repairs, or inspections.
- Before cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
- 7. Stop engine and walt until the blade comes to complete stop before removing grass bag and/or clearing grass.
- Mow across slopes, never up-and-down. Exercise CAUTION when changing directions on slopes. DO NOT mow steep slopes or other areas where stability or traction is in doubt.

MAINTENANCE AND STORAGE

- Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
- Never store mower with gasoline in tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- To reduce fire hazard, keep mower free of grass, leaves or excessive grease.
- Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag adapter if broken or cracked.
- 5. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
- 6. Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

INTRODUCTION

This manual covers SNAPPER Series 0 walk behind 21" push & self-propelled mowers. Series 0 models can (with the proper attachments) discharge chopped and shredded mixed clippings (RECYCLING), bag clippings (GRASS BAG), or vacuum thatch (THATCHERIZER & GRASS BAG), or vacuum clippings and leaves (SNAPPERIZER & GRASS BAG).

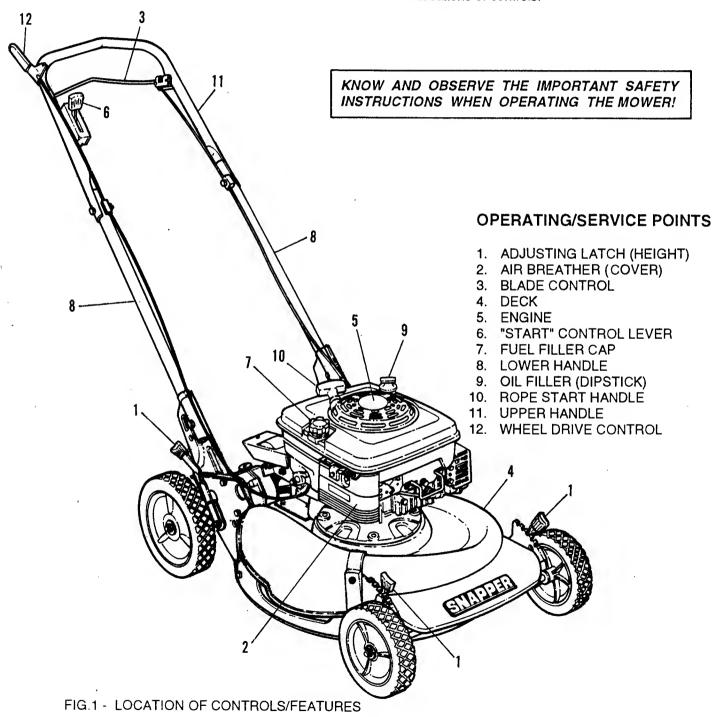
The THATCHERIZER is recommended for <u>self-propelled</u> models. For more complete descriptions, refer to the POPULAR ACCESSORIES section.

OPERATING INSTRUCTIONS

Know how to stop the mower in preparation for possible emergencies BEFORE the first start-up!

For easier starting, move the mower to an area where the blade can turn freely without being restricted by tall grass.

The engine (and blade) is stopped by releasing the BLADE CONTROL (3). On self-propelled models, releasing the WHEEL DRIVE control (12) stops the forward movement of the mower. Refer to FIG.1 for locations of controls.



PRE-START CHECKS

Prior to each start-up, check/service as needed:

- **CHECK** side discharge chute for proper position and tightness.
- NOTE: The "tab" on the inside rear edge of the adapter or side chute <u>must</u> push the interlock spring in toward the center of the mower. If the tab is improperly installed, the engine CAN NOT be started.
- CLEAN surfaces to remove dust, dirt, and clippingsparticularly from the cooling air intake screen on the engine to prevent overheating.
- CHECK oil level in 4-cycle engines and add oil as needed to bring the level up to but not over the dipstick (9) "FULL" mark. Refer to FIG. 2
- CHECK cutting height and adjust as needed, to suit the prevailing grass conditions. Refer to FIG. 4.
- CHECK fuel level in tank after pushing mower outdoors where fumes will safely dissipate.

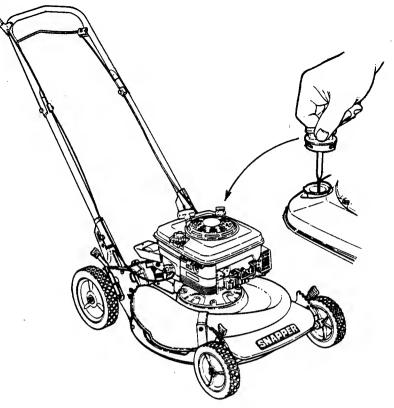
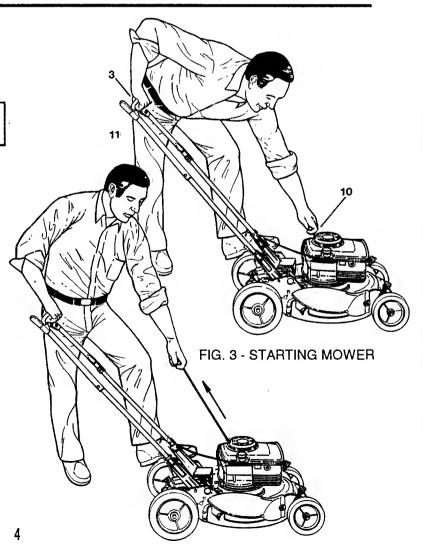


FIG. 2 - DIPSTICK LOCATION

STARTING/STOPPING ENGINE

NOTE: Stop the engine (and blade) by releasing the BLADE CONTROL.

- Move the ENGINE CONTROL lever to the "START" position. (See Engine Manual)
- 2. Hold BLADE CONTROL (3) firmly against UPPER HANDLE (11) otherwise the engine will not start! Refer to FIG. 3.
- 3. Place left foot on top of the rear tire with toes pointing forward.
- 4. Bend at the waist to reach ROPE START HANDLE (10), then straighten up as you pull the handle using back muscles more than arm muscles.
- 5. Continue pulling ROPE START HANDLE until the engine starts. Guide rope slowly back into engine shroud to prevent rope breakage which could result if the handle is allowed to snap back. Continue holding the BLADE CONTROL and move around behind the UPPER HANDLE to the Operator's position.



CUTTING HEIGHT ADJUSTMENT

ALWAYS STOP THE ENGINE AND WAIT UNTIL THE MOWER'S BLADE STOPS COMPLETELY BEFORE RE-ADJUSTING CUTTING HEIGHT!

To re-adjust mower cutting height, pull each of the four height ADJUSTING LATCHES (1) outward toward the wheel and then slide into the desired notch. Set both latches on one side and then set the two on other side into corresponding notches. When setting the rear latches into LOWER notches, raise the rear wheels off the ground to ease procedures.

It is recommended that no more than 1/3 the height or 2" maximum be cut from the grass.

EXAMPLE: If the grass is 4" tall, set the four AD-JUSTING LATCHES (1) in notch 5 (the highest blade setting) which will leave the grass at approximately 3" tall after cutting -well within the 1/3 off limit. If you prefer shorter grass, wait a few days before recutting at a lower setting. If cut short too frequently, the root system will be more subject to burning, due to energy being expended toward the development of new leaf structures rather than the necessary development and reinforcement of a good healthy root system!

If allowed to grow too tall, the lower portion (which will then be shaded) will discolor.

During dry seasons, allow the grass to grow taller than normal. Refer to FIG. 4-A.

MOWING PROCEDURE

Set the ENGINE CONTROL lever (10) in the fast (F) position for thick grass, *AND* slow down (reduce "Ground Speed") *OR* narrow the cut to less than the full blade width.

On the self-propelled model, grasp the WHEEL DRIVE CONTROL (12) and hold against the UPPER HANDLE (11) to engage clutch. To stop the mower's *forward* movement, release the WHEEL DRIVE CONTROL - the mower can then be pushed forward or pulled for trimming.

SERVICE PROCEDURE

Your SNAPPER mower requires very little service, however, it is important that the engine be serviced at the intervals specified in the engine manual furnished with your mower.

To retain the integrity of your mower, only use Genuine *SNAPPER* Replacement Parts.

By returning your mower to an Authorized SNAPPER Dealer on a yearly basis for inspection and addition of any new devices to upgrade your mower, the reliability of the unit's functions will be assured.

NOTE: The highest cutting position is attained with the four latches set in notch 5. The lowest cutting position is with latches set in notch 1. Refer to FIG. 4.

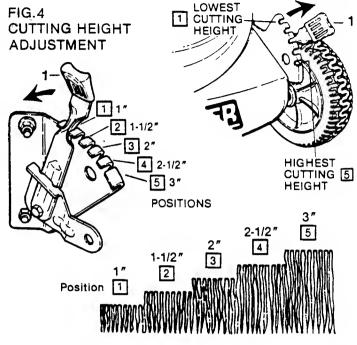


FIG. 4 -A-CUTTING HEIGHT SETTINGS

NOTE: It is recommended that the ENGINE CONTROL lever be set in the "FAST" position (higher RPM's) when

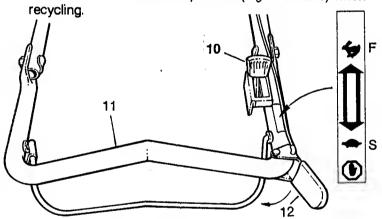


FIG. 5-MOWING CONTROLS

Check the yellow pages under LAWN MOWERS for the nearest *SNAPPER* Dealer. Always mention the model and serial number of your mower when contacting the dealer for information, parts, or service.

WARNING: Always disconnect the spark plug wire from the spark plug when inspecting/servicing the mower - to prevent unintentional engine start-ups.

NOTE: When tippling the mower to work on the underside, always tilt it onto the LEFT wheels to prevent flooding the engine with gasoline and/or oil which would cause hard starting after servicing.

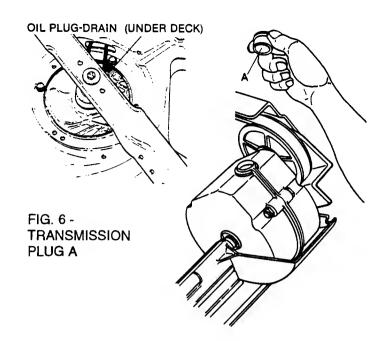
For engine parts/service, check the yellow pages under the heading ENGINES - gasoline, for the nearest engine manufacturer's dealer.

LUBRICATION SCHEDULE

• ENGINE: Change oil every 25 hours as specified in engine manual; check oil level before each use.

• TRANSMISSION (on the self-propelled models): The transmission is filled with 4 ounces of SNAPPER "00" grease at the factory and under normal usage, will not require additional grease. It is recommended that plug (A) be removed after every 25 hours of operation, and a visual determination of the lubrication condition of the transmission be made. If grease IS NOT visible on the INPUT GEAR (the small gear below the plug opening), add a small amount of SNAPPER "00" grease. Reinstall the plug (A) after servicing the transmission. Refer to FIG. 6.

SNAPPER "OO" grease is available in a convenient squeeze container (Part No. 6-1017) at your *SNAPPER* Dealer.



CUTTING BLADE SERVICE

WARNING: Always disconnect the spark plug wire and secure the end away from the plug before inspecting/servicing the blade, to prevent unintentional start-ups.

Inspect blade at frequent intervals for tightness and condition.

Refer to FIG. 7 for blade condition. Replace the blade if it is badly chipped, bent, noticeably out of balance, or has a notch worn in either tlp - as shown in example B.

The B wear pattern occurs more rapidly under sandy soil conditions and appears between the flat surface and upturned "Ilft" lip at each end of blade tip.

WARNING: Never operate the mower with a blade worn to the extent shown in example C - the "tip" could fly off and cause personal injury or property damage.

When the blade's cutting edges have become dull (while in otherwise good condition), sharpen on a grinding wheel at an angle of 22 to 28 degrees. The cutting surface (on each end) should extend inward about 3-1/2" from the tip. After sharpening, check the blade for balance - a blade "out of balance" will cause excessive vibration. Re-balance as required.

Re-install the blade with the components in proper sequence as shown in FIG. 8.

DO NOT substitute any components! Make sure the flange on each side of the blade (at the mounting hole) fits over the edge of the blade drive hub (A). Tighten the blade retaining capscrew (B) to 30 FOOT POUNDS TORQUE.

BE CAREFUL: AVOID CUTTING YOURSELF ON A SHARP BLADE! Wear gloves to protect your hands while handling the blade.

WARNING: DO NOT operate the mower without the side discharge chute, adaptor/bag, or deck cover installed and properly secured!

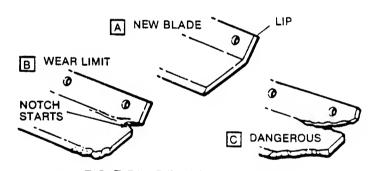


FIG. 7-BLADE WEAR PATTERNS

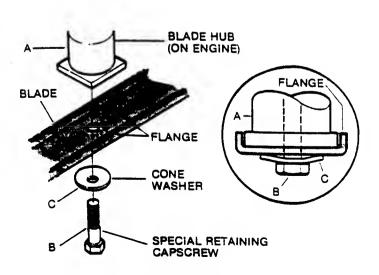


FIG. 8 - BLADE RETENTION DETAIL

BELT SERVICE

Slippage (from <u>worn</u> belts) can prevent a self-propelled mower from maintaining optimum performance. The <u>engine</u> belt transmits power to the <u>drive</u> belt which then drives the transmission and wheels. Replace the two belts as needed.

NOTE: Disconnect the SPARK PLUG WIRE <u>BEFORE</u> starting belt replacement.

ENGINE BELT REPLACEMENT: Disconnect the spark plug wire and empty the fuel tank (or tape the vents in the filler cap closed to prevent fuel spillage).

Unhook the idler arm spring (A) from the right rear wheel bracket and remove the driven disc assembly as described in the DRIVEN DISC SECTION. Tilt the mower up on its LEFT wheels and remove the cutting blade and hub. Then, while holding the slotted end of the drive disc with a screwdriver, remove the drive disc retaining nut (B) and internal tooth lockwasher (C). Lift the drive disc up from its position on the idler arm and remove worn belt. Loop one end of replacement belt over engine drive pulley and insert other end through deck opening. Loop the belt around driven pulley (on the lower portion of drive disc) and lower disc back into position on idler arm. Make sure to reassemble components as shown in FIG. 8-A.

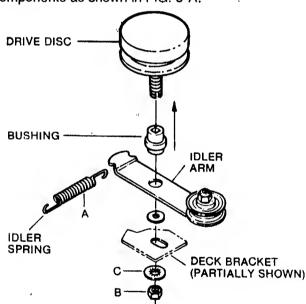


FIG. 8-A-IDLER & ENGINE BELT DETAIL -

Reinstall the internal tooth lock washer (C) and retaining nut (B) onto drive dlsc post (on underside of deck), and securely tighten. Test the pivoting action of the idler arm - it must pivot freely! Reinstall the blade and fasteners on shaft as explained in the BLADE SERVICE section. Use a stiff wire (such as a coat hanger) with a hook on end to pull the hooked end of idler arm spring (A) through the large hole in right wheel bracket, and then hook the spring's end through the smaller hole. If the Poly-V-Belt is NOT going to be replaced, reinstall the driven disc assembly.

DRIVE BELT REPLACEMENT

- To replace the drive belt (POLY-VEE), remove the belt from the grooves in the drive shaft pulley (1). Remove it from between idler pulley (2), and guard (Y), and slip it out between the transmission pulley (3), and the transmission bracket/guard.
- 2. Remove guard (X). Hold hex nut (E) while turning spring (C)'s retaining bolt (D) COUNTER-CLOCKWISE remove these components.
- 3. Raise the drive shaft enough to permit the belt to pass between the driven disc and drive disc (A).
- 4. Rotate the drive shaft bearing holder assembly (4) upward, and guide the worn belt around the bearing holder until the belt can be removed and discarded.
- 5. Reverse the above procedures to install a new SNAPPER POLY-VEE drive belt.
- 6. After the new drive belt has been installed, tighten the retaining bolt (D) against spring (C) until the bolt is flush with the bottom of nut (E).

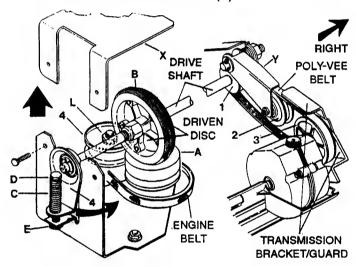


FIG. 9 - ENGINE/DRIVE BELT DETAILS

DRIVEN DISC SERVICE

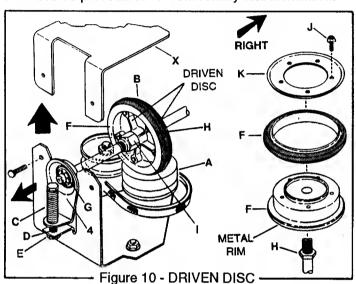
If self-propelled mower (ODP model) does not pull properly, refer to Fig. 10 and check for the following:

- ☐ Grease on surface of drive disc (A) causing the driven disc's rubber ring (B) to slip. Remove grease from BOTH surfaces.
- ☐ The driven disc's rubber ring (B) is not contacting drive disc (A) properly. If the rubber ring is slightly worn, and in good condition, it may be adjusted for better contact by tightening retaining bolt (D) until more friction is attained. Replace rubber ring when necessary.
- One or both belts are worn replace as needed.

DRIVEN DISC REPLACEMENT

If the driven disc's rubber ring (B) is found to be badly chunked, or if it is worn down to within 1/16" of the metal rim on hub (F), it must be replaced.

- Remove guard (X). Hold hex-nut (E) while turning spring (C)'s retaining bolt (D) COUNTER-CLOCK-WISE - remove these components.
- 2. Remove E-ring (G) from the LEFT end of the drive shaft and slide bearing holder assembly (4) off shaft.
- 3. Hold the drive shaft hex-nut (H) (on RIGHT side of hub F) with a 3/4" wrench while removing the 1/2" hex locknut (I) (on LEFT side of hub F).
- 4. Slide driven disc hub (F) to the LEFT and off shaft.
- 5. Remove the five machine screws (J), and remove retaining plate (K). Replace the worn rubber ring (B) as shown in Figure 10.
- 6. Reverse procedures for reassembly and installation.



STORAGE PROCEDURE

Refer to the engine manual for directions regarding engine storage preparations.

Prepare the mower for "End Of Season" storage as follows:

- 1. DISCONNECT THE SPARK PLUG WIRE BEFORE ANY OTHER PREPARATIONS ARE MADE!
- 2. Tape all openings closed to prevent spraying water into exhaust or air intakes during washing.
- Turn the mower on it's LEFT side and thoroughly clean the underside of the deck. Scrape away any accumulation of grass with a putty knife and/or wire brush. Use a hose to wash down the underside of the deck and allow it to dry. Clean all external surfaces of the mower and allow to dry.
- 4. Lubricate all exposed metal with a light coating of oil to prevent corrosion.
- 5. If so equipped, empty the grass bag to prevent decay of debris and the formation of mold while the mower is in storage. The grass bag may be washed in detergent, but allow it to dry thoroughly!
- 6. Store the mower in a shed or other dry area, protected from weather.

POPULAR ACCESSORIES

Your **SNAPPER** mower is very versatile and can, with the addition of the accessories mentioned here (those not presently being used), perform various additional lawn care duties: Recycling Kit, Grass Bag Kit, Thatcherizer Kit, & Snapperizer Kit.

SNAPPER WALK BEHIND MOWER ACCESSORIES

19" & 20"STEEL DECK

PART NO.	DESCRIPTION	MODELS USED ON
6-0422	GRASS CATCHER (w / Adapter) (Kwik-N-Ezy)	19" SERIES 0, 1 19" SERIES 0, 1 19" (OPP Models Only) 19" & 20" MODELS 19" & 20" MODELS 19" & 20" MODELS
6-1152	. SIDE DISCHARGE CHUTE KIT	19" & 20" MODELS 19" (OPP Models Only)

(Continued)

SNAPPER WALK BEHIND MOWER ACCESSORIES

21"STEEL DECK

PART NO.	DESCRIPTION	MODELS USED ON	
6-0791	GRASS CATCHER (Slider Door)	21" MODELS	
6-0856	GRASS CATCHER (w / Adapter) (Kwik-N-Ezy)	21" MODELS	
6-0932	GRASS CATCHER (Kwik-N-Ezy)	21" SFRIFS 4. 5. 6. 7. 8. 9	
6-0935	GRASS CATCHER (w / Adapter) (Kwik-N-Ezy)	21" SERIES 4, 5, 6, 7, 8, 9	
6-1280	GRASS CATCHER (Kwik-N-Ezy)	21" (RO21380 Models Only)	
6-0933	GRASS CATCHER (Kwik-N-Ezy)	21" (Commercial Models Only)	
6-0936	GRASS CATCHER (Slider Door)	21" (Commercial Models Only)	
6-1006	GRASS CATCHER (w / Adapter) (Slider Door)	21" (Commercial Models Only)	
6-1153	GRASS CATCHER	21" (OPP Models Only)	
6-1003	GRASS CATCHER BAG LINERS (10 to a Pack)	21" MODELS	
6-1200	RECYCLING KIT (Ninia Cover)	21" MODELS (4 HP Engines & Above)	
6-1201	RECYCLING KIT (Ninia Plug)	21" MODELS (4 HP Engines & Above)	
6-0440	SNAPPERIZER KIT	21" MODELS	
6-0960	THATCHERIZER KIT	21" MODELS	
6-0965	THATCHERIZER ADAPTER KIT	21" SERIES 6, 7	
6-0955	SIDE DISCHARGE CHUTE KIT	21" MODELS	
6-1302	SIDE DISCHARGE CHUTE KIT (w / Blade)	21" (RO21380 Models Only)	
6-0785	AIR LIFT KIT	21" MODELS	
6-0658	ELECTRIC START KIT	MODEL YEAR 1971 TO 1976	
6-0766	BATTERY CHARGER KIT	21" SERIES 5, 6, 7	
6-1188	BATTERY CHARGER KIT	21" SERIES 9, 0	
6-7012	BATTERY KIT (WET CELL)	21" SERIES 5, 6, 7, 8, 9, 0	
	21"CAST ALUMINUM DECK (SIDE DISCHARGE)		
PART NO.	DESCRIPTION	MODELS USED ON	
6-0936	GRASS CATCHER (Slider Door)	21" MODELS	
6-1201	RECYCLING KIT (Ninja Plug)	21" MODELS	
6-0295	SNAPPERIZER KIT	21" MODELS	
6-0338	MULCHERIZER KIT	21" MODELS	
6-0287	SIDE DISCHARGE CHUTE KIT	21" MODELS	
21"CAST ALUMINUM DECK (REAR DISCHARGE)			
PART NO.	DESCRIPTION	MODELS USED ON	
6-1264	SIDE DISCHARGE CHUTE	21" MODELS	
	RECYCLING KIT (Ninja Plug)		
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SNAPPER.

2 YEAR LIMITED WARRANTY

For two (2) years from purchase date for the original purchaser's **residential**, non-commercial use, **SNAPPER**, through any **SNAPPER** dealer will replace, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

For ninety (90) days from purchase date for the original purchaser's commercial, rental, or other non-residential use, SNAPPER, through any SNAPPER dealer will replace, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation costs incurred by the purchaser in submitting material to a **SNAPPER** dealer for replacement under this warranty must be paid by the purchaser.

This warranty does not apply to engines and their components, or, Peerless® Transaxles, as these items are warranted separately by their manufacturers. This warranty does not apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to two (2) years from purchase date for the original purchaser's residential, non-commercial use [ninety (90) days from purchase for the original purchaser's commercial, rental or other non-residential use], and to the extent permitted by law, any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages, under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: THE USE OF REPLACEMENT PARTS OTHER THAN GENUINE SNAPPER PARTS MAY IMPAIR THE SAFETY OF SNAPPER PRODUCTS AND WILL VOID ANY LIABILITY AND WARRANTY BY SNAPPER ASSOCIATED WITH THE USE OF SUCH PARTS.

IMPORTANT: Please fill out the attached SNAPPER Product Registration Card immediately and mail to: SNAPPER, McDONOUGH, GEORGIA 30253

SNAPPER®McDonough, GA., 30253 U.S.A.